

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012518.D
 Acq On : 19 Sep 2019 11:08
 Operator : JC/SP
 Sample : VX0919MBL01
 Misc : 5.0µ/10mL/100µL/10mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBL01

Quant Time: Sep 20 04:30:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	199689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	316231	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	268813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	112083	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	132079	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
35) Dibromofluoromethane	5.48	113	94703	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	8.71	98	362251	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.13	95	131112	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	

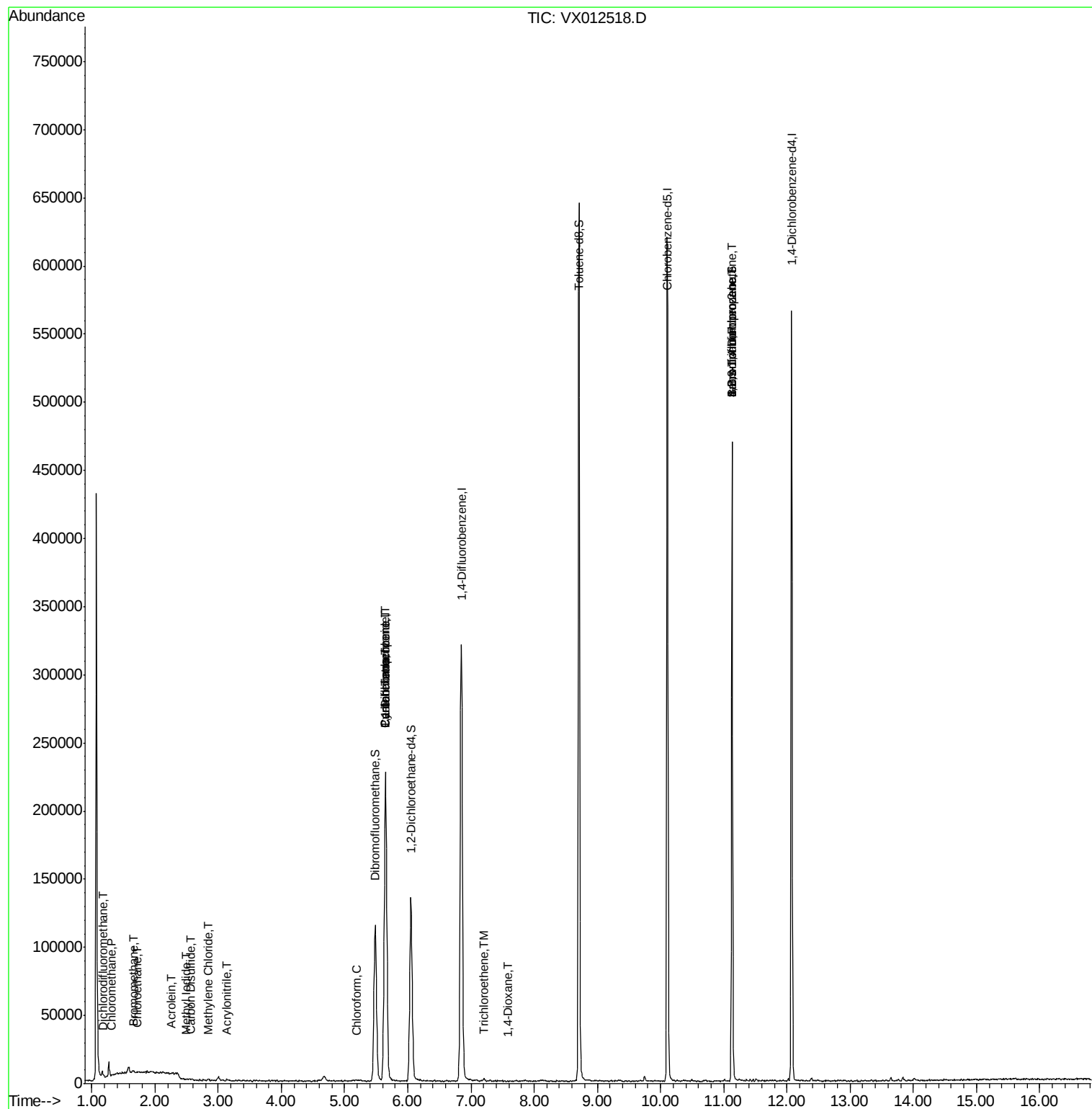
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	59	0.435	ug/l #	43
3) Chloromethane	1.31	50	396	0.361	ug/l #	68
5) Bromomethane	1.65	94	344	0.738	ug/l	94
6) Chloroethane	1.72	64	312	0.336	ug/l #	69
10) Methyl Iodide	2.50	142	438	4.738	ug/l	94
11) Tert butyl alcohol	3.01	59	1800	Below Cal	#	81
13) Acrolein	2.26	56	728	1.224	ug/l #	60
15) Acrylonitrile	3.14	53	296	0.239	ug/l #	45
16) Acetone	2.44	43	706	Below Cal	#	86
17) Carbon Disulfide	2.56	76	631	2.149	ug/l #	58
20) Methylene Chloride	2.84	84	500	0.289	ug/l #	40
30) Chloroform	5.19	83	760	0.202	ug/l #	77
31) Cyclohexane	5.64	56	4748	2.402	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	16866	8.776	ug/l #	52
38) Carbon Tetrachloride	5.64	117	21654	9.059	ug/l #	15
44) Trichloroethene	7.20	130	464	0.289	ug/l	97
49) 1,4-Dioxane	7.58	88	44	0.724	ug/l #	1
71) Bromoform	11.12	173	232	3.008	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	68806	26.725	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	68806	71.922	ug/l #	8

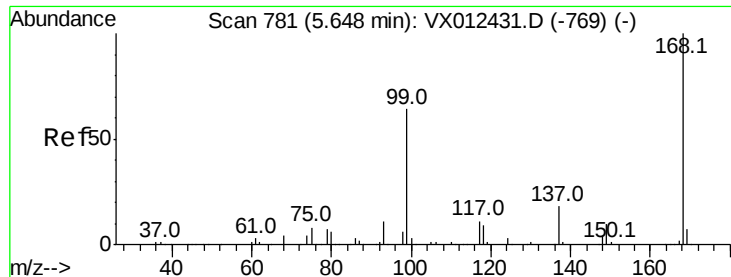
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012518.D

Acq: 19 Sep 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

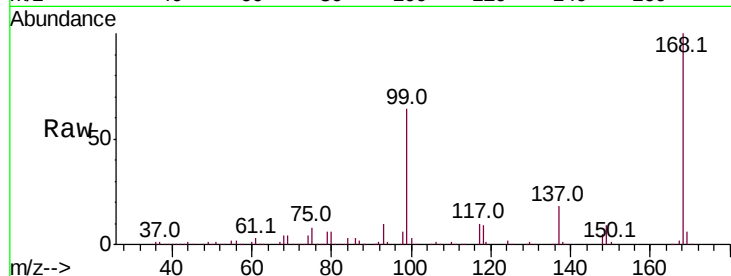
VX0919MBL01

Tot Ion:168 Resp: 199689

Ion Ratio Lower Upper

168 100

99 64.3 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

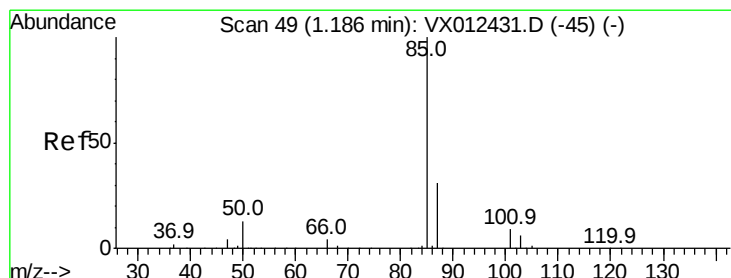
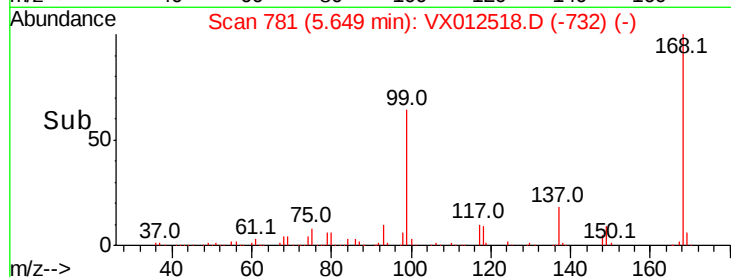
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.435 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012518.D

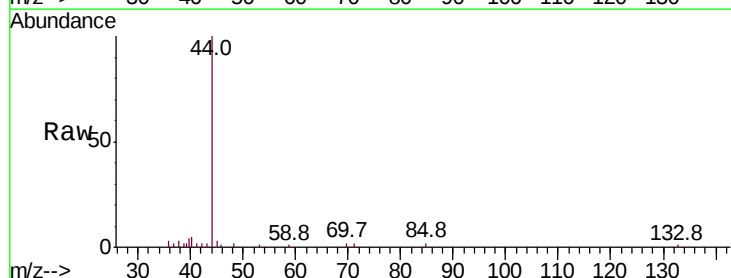
Acq: 19 Sep 2019 11:08

Tgt Ion: 85 Resp: 59

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

100

80

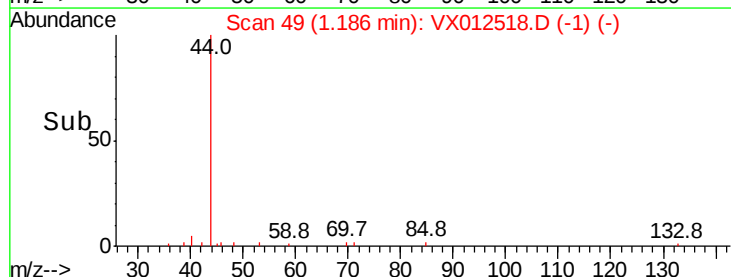
60

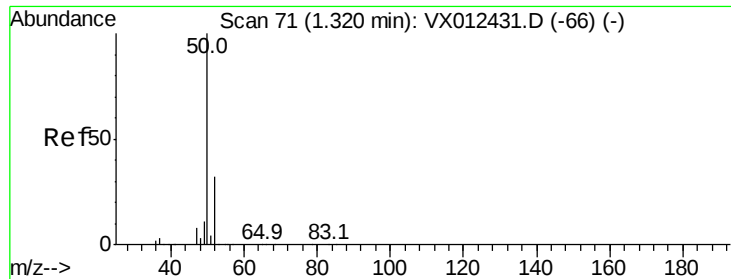
40

20

0

Time--> 1.16 1.18 1.20





#3

Chloromethane

Concen: 0.361 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX012518.D

Acq: 19 Sep 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

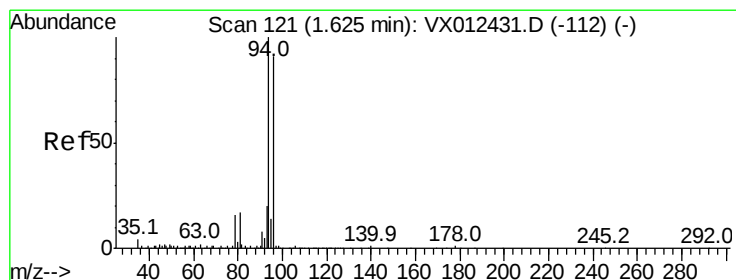
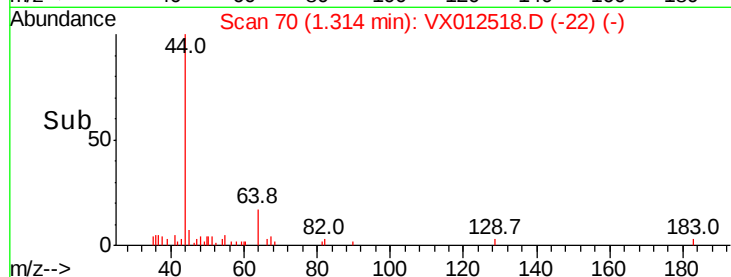
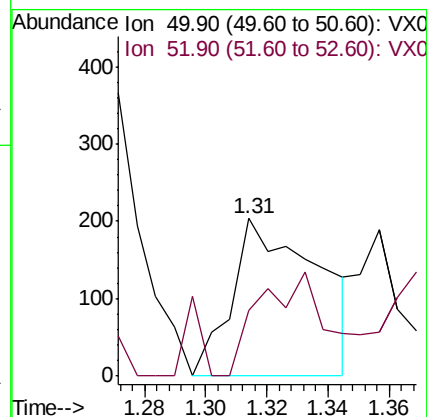
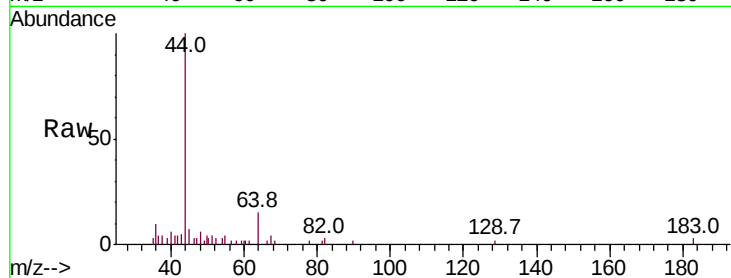
VX0919MBL01

Tot Ion: 50 Resp: 396

Ion Ratio Lower Upper

50 100

52 14.2 25.7 38.5#



#5

Bromomethane

Concen: 0.738 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012518.D

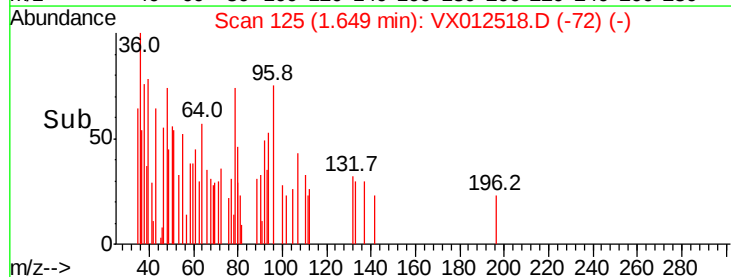
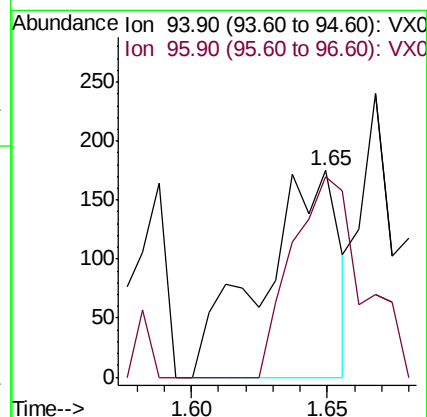
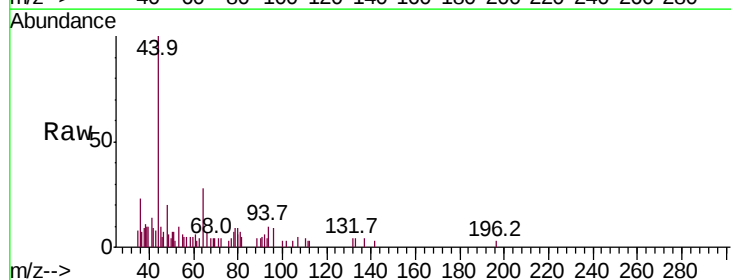
Acq: 19 Sep 2019 11:08

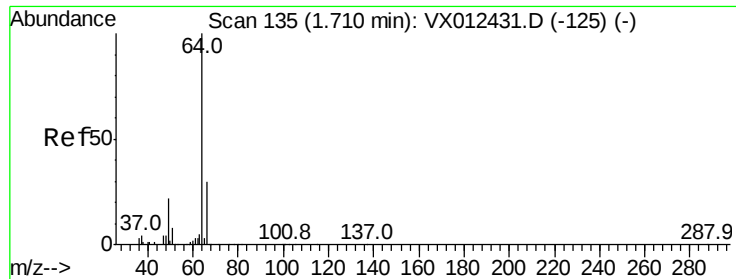
Tgt Ion: 94 Resp: 344

Ion Ratio Lower Upper

94 100

96 97.1 72.8 109.2





#6

Chloroethane

Concen: 0.336 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012518.D

Acq: 19 Sep 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

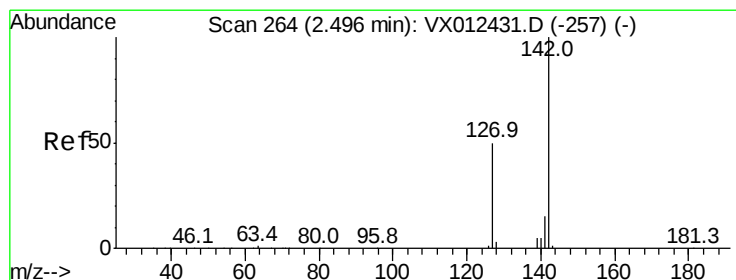
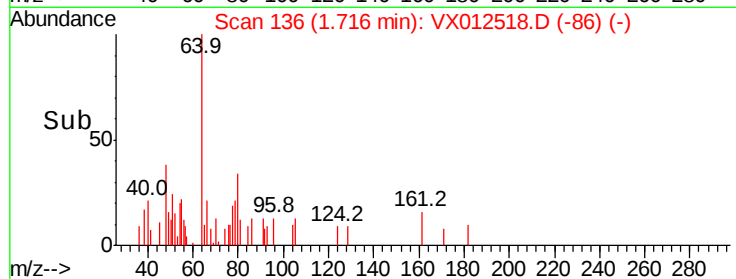
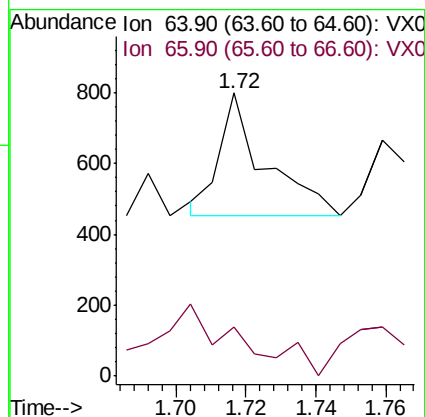
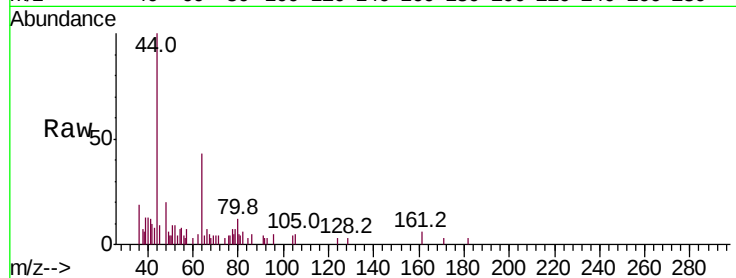
VX0919MBL01

Tot Ion: 64 Resp: 312

Ion Ratio Lower Upper

64 100

66 13.3 24.0 36.0#



#10

Methyl Iodide

Concen: 4.738 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012518.D

Acq: 19 Sep 2019 11:08

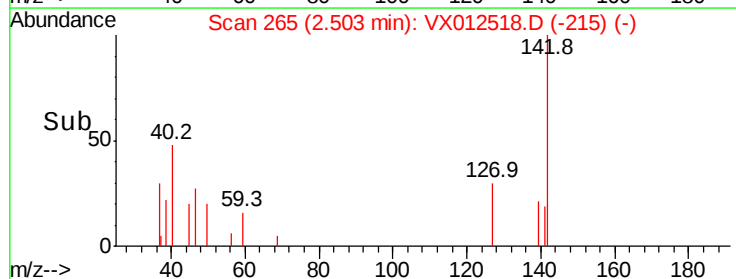
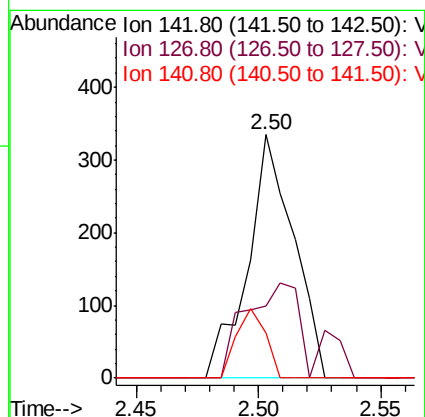
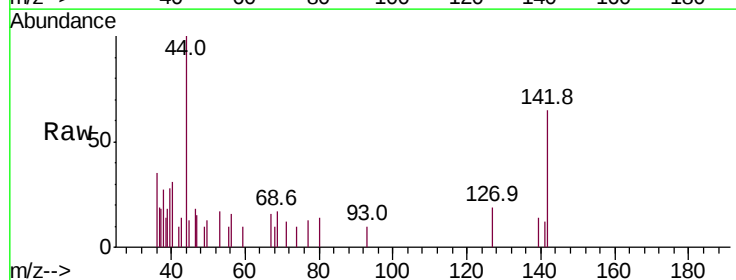
Tgt Ion: 142 Resp: 438

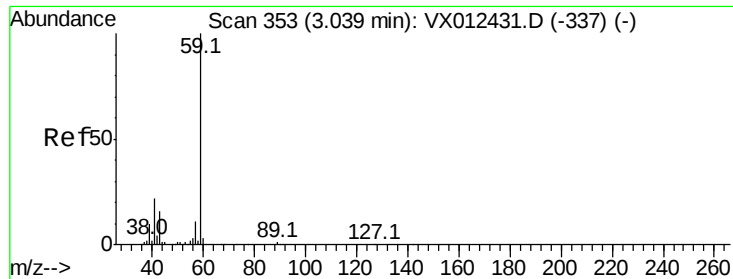
Ion Ratio Lower Upper

142 100

127 54.8 40.8 61.2

141 18.0 12.1 18.1



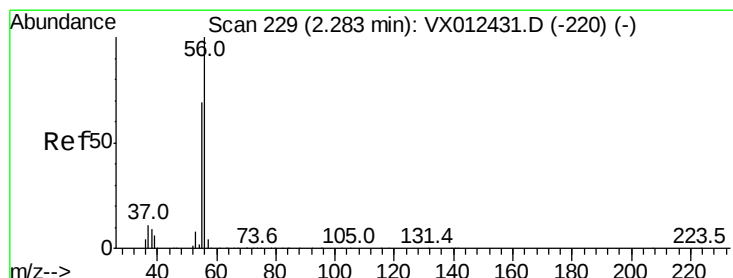
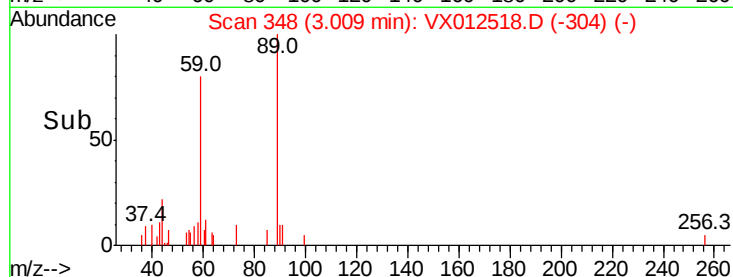
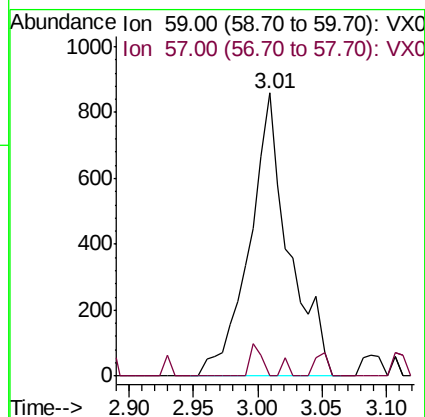
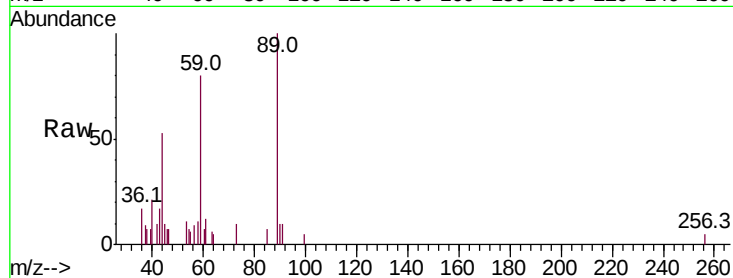


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX012518.D
 Acq: 19 Sep 2019 11:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919MBL01

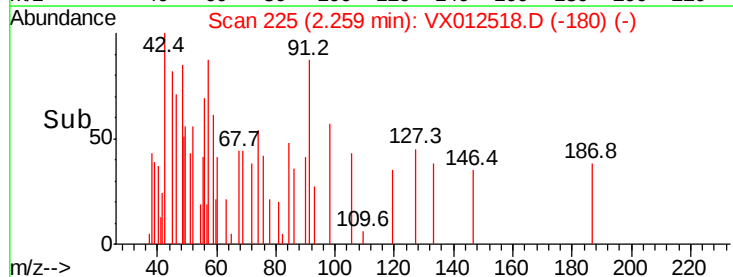
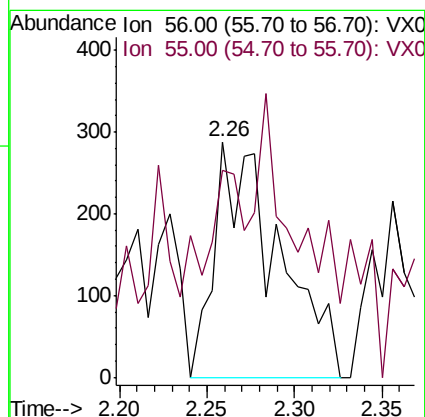
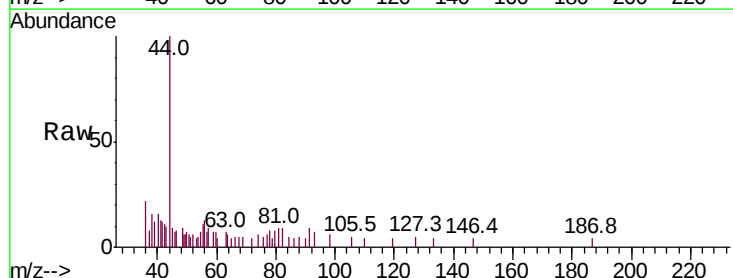
Tot Ion: 59 Resp: 1800
 Ion Ratio Lower Upper
 59 100
 57 3.2 8.3 12.5#

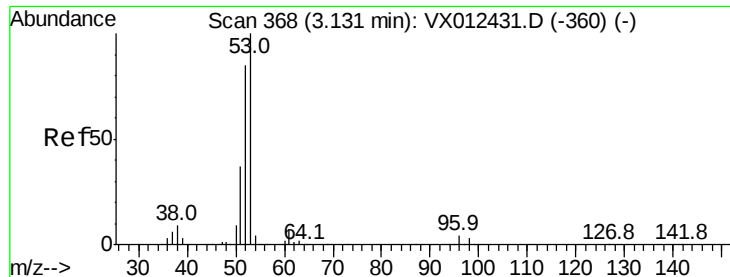


#13

Acrolein
 Concen: 1.224 ug/l
 RT: 2.26 min Scan# 225
 Delta R.T. -0.02 min
 Lab File: VX012518.D
 Acq: 19 Sep 2019 11:08

Tgt Ion: 56 Resp: 728
 Ion Ratio Lower Upper
 56 100
 55 37.0 55.8 83.8#





#15

Acrylonitrile

Concen: 0.239 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX012518.D

Acq: 19 Sep 2019 11:08

Instrument :

MSVOA_X

ClientSampled :

VX0919MBL01

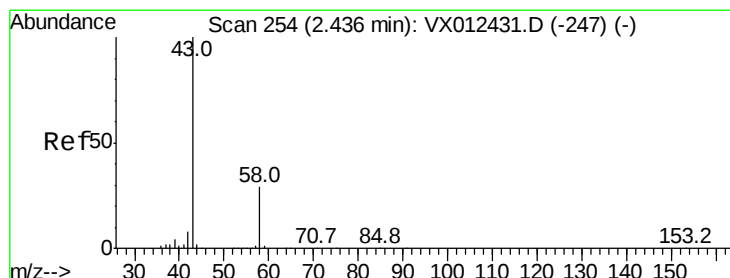
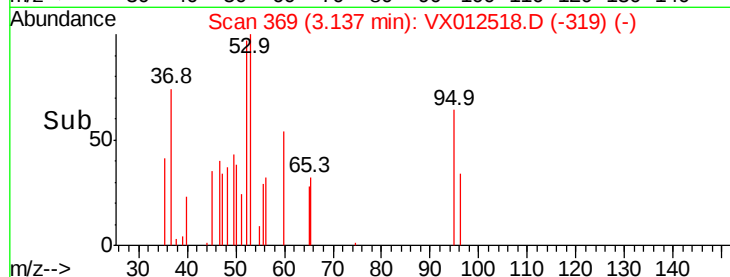
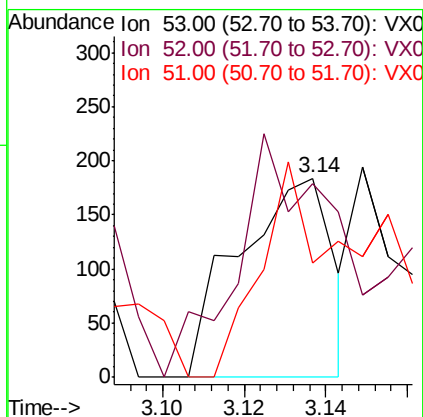
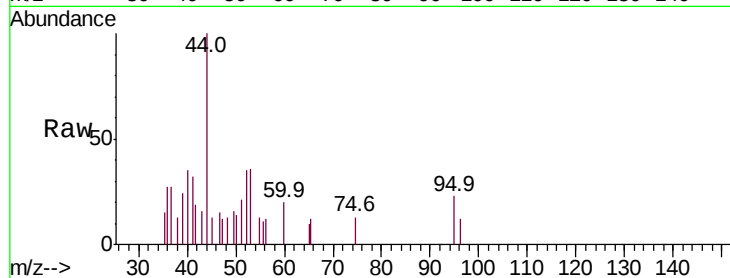
Tot Ion: 53 Resp: 296

Ion Ratio Lower Upper

53 100

52 121.6 67.0 100.4#

51 87.2 29.6 44.4#



#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX012518.D

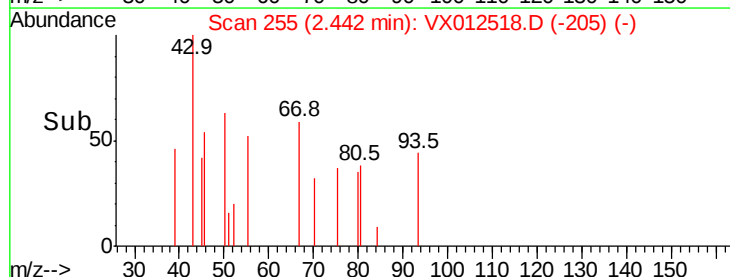
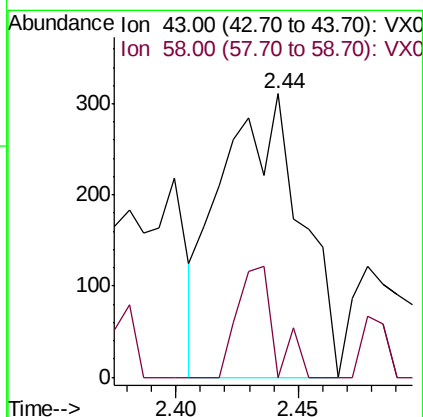
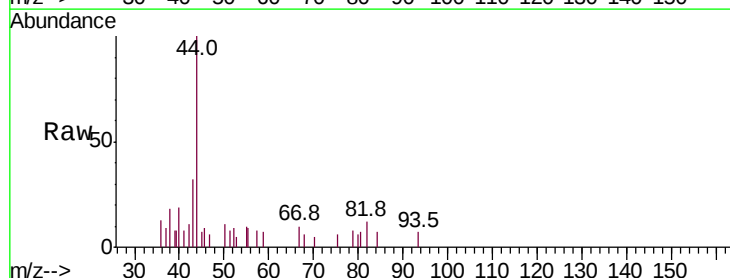
Acq: 19 Sep 2019 11:08

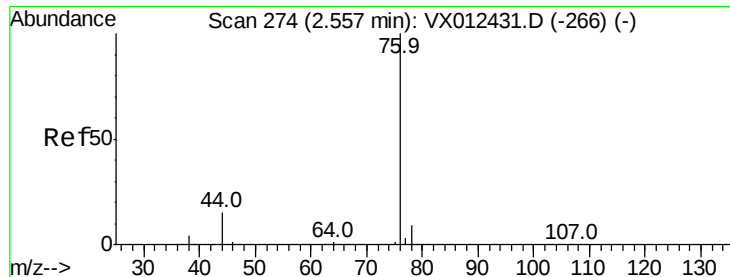
Tgt Ion: 43 Resp: 706

Ion Ratio Lower Upper

43 100

58 21.5 23.3 34.9#





#17

Carbon Disulfide

Concen: 2.149 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012518.D

Acq: 19 Sep 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

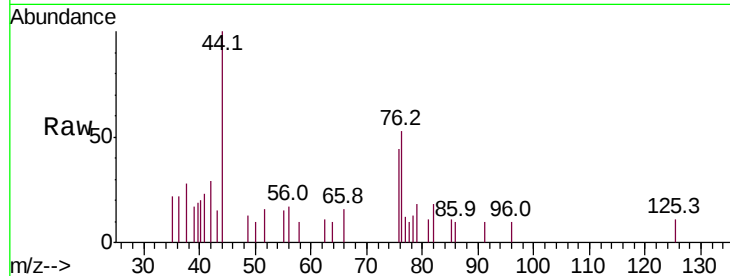
VX0919MBL01

Tot Ion: 76 Resp: 631

Ion Ratio Lower Upper

76 100

78 24.2 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

600

500

400

300

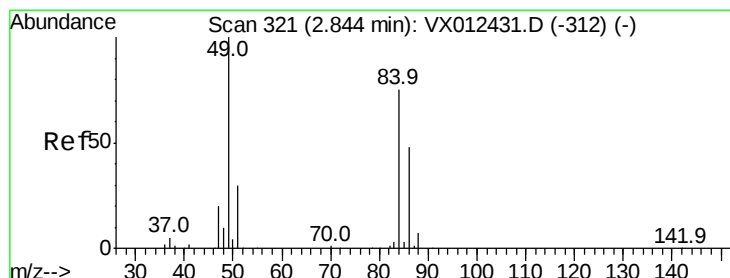
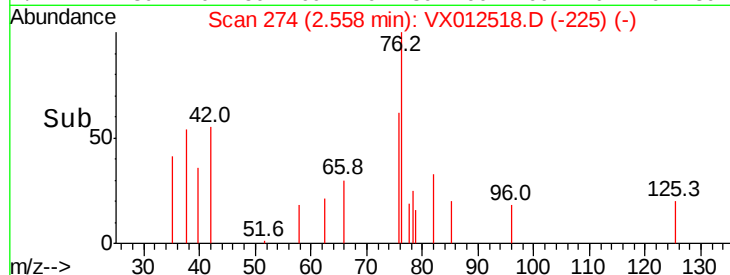
200

100

0

Time-->

2.50 2.55 2.60



#20

Methylene Chloride

Concen: 0.289 ug/l

RT: 2.84 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX012518.D

Acq: 19 Sep 2019 11:08

Tgt Ion: 84 Resp: 500

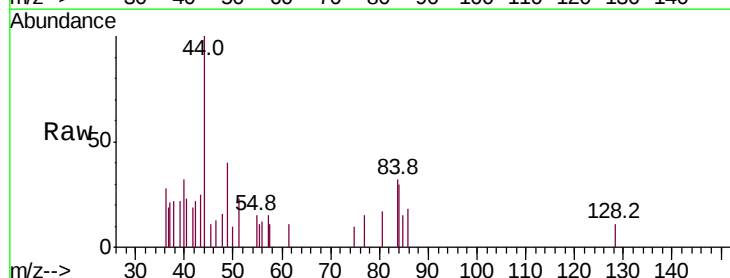
Ion Ratio Lower Upper

84 100

49 43.7 106.8 160.2#

51 19.5 32.3 48.5#

86 29.2 51.3 76.9#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

500

400

300

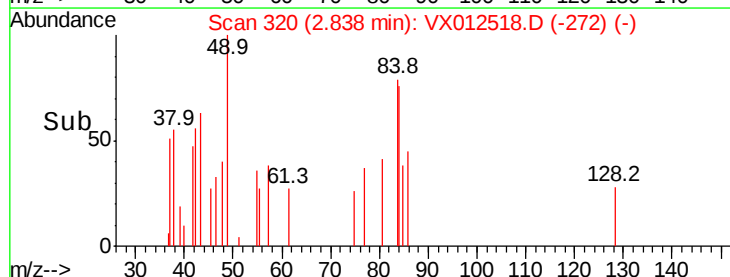
200

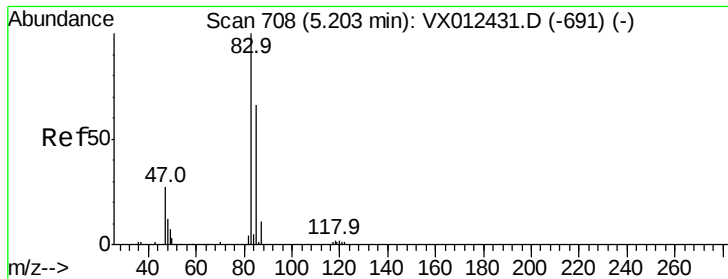
100

0

Time-->

2.80 2.85 2.90

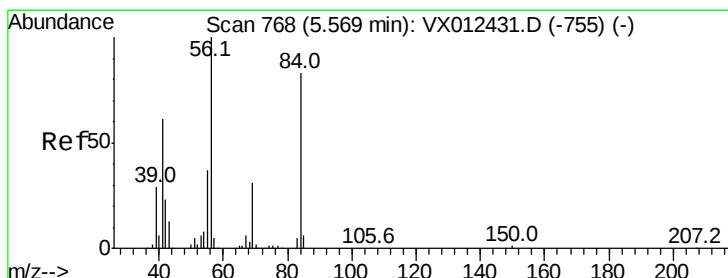
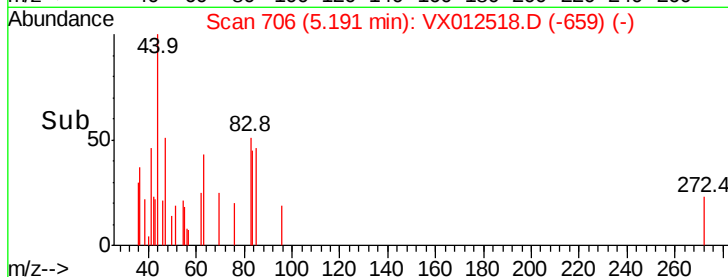
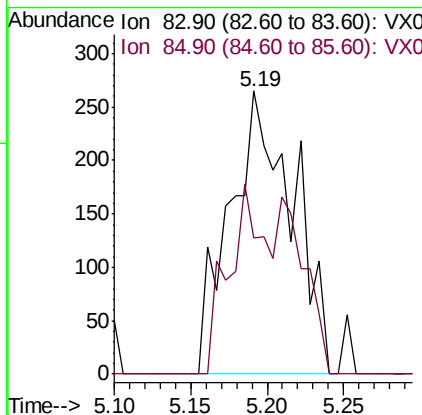
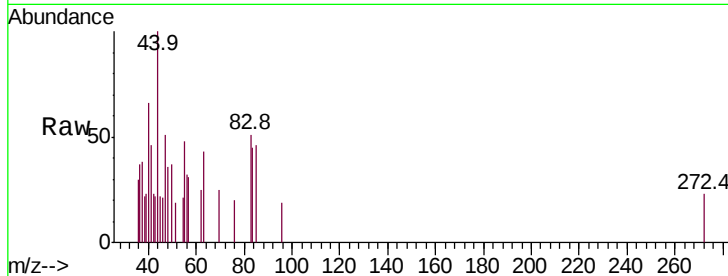




#30
Chloroform
Concen: 0.202 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX012518.D
Acq: 19 Sep 2019 11:08

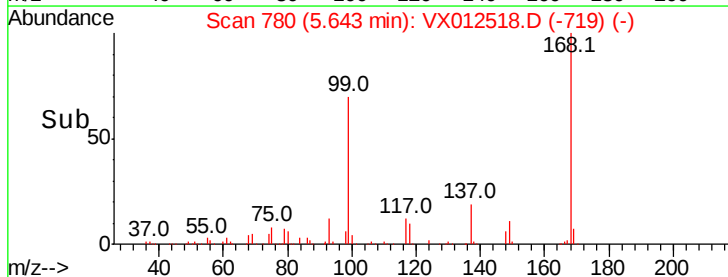
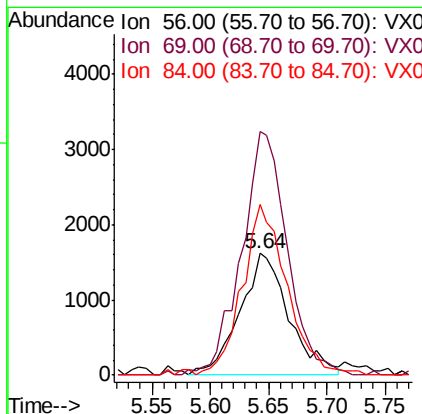
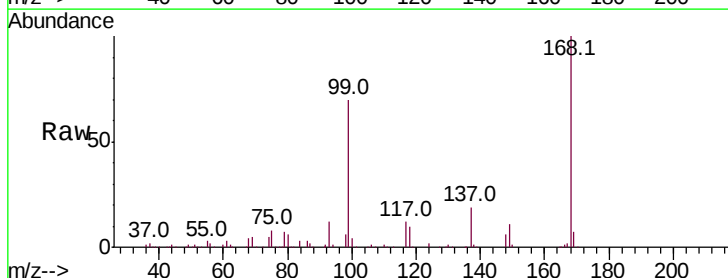
Instrument :
MSVOA_X
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VX0919MBL01

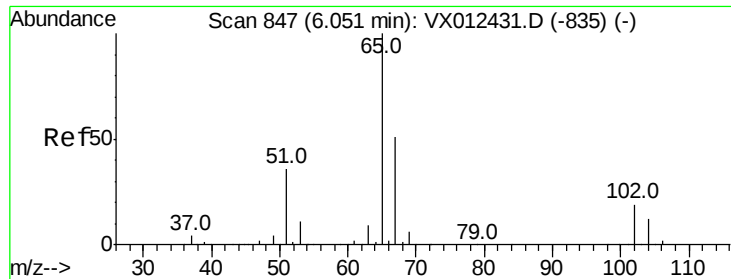
Tot Ion: 83 Resp: 760
Ion Ratio Lower Upper
83 100
85 47.9 53.0 79.4#



#31
Cyclohexane
Concen: 2.402 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012518.D
Acq: 19 Sep 2019 11:08

Tgt Ion: 56 Resp: 4748
Ion Ratio Lower Upper
56 100
69 195.7 25.0 37.6#
84 136.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 46.150 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012518.D

Acq: 19 Sep 2019 11:08

Instrument :

MSVOA_X

ClientSampled :

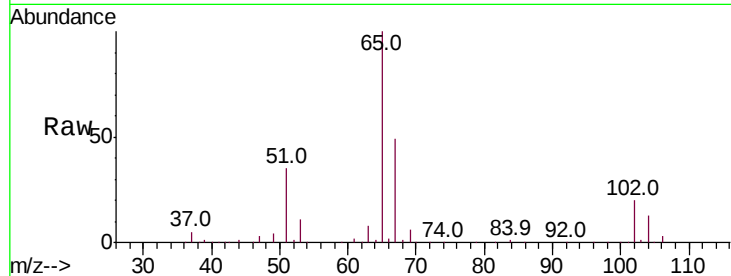
VX0919MBL01

Tot Ion: 65 Resp: 132079

Ion Ratio Lower Upper

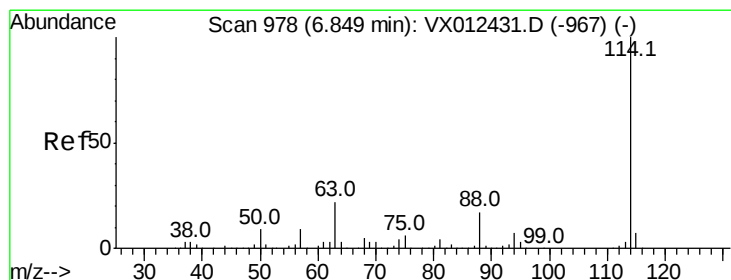
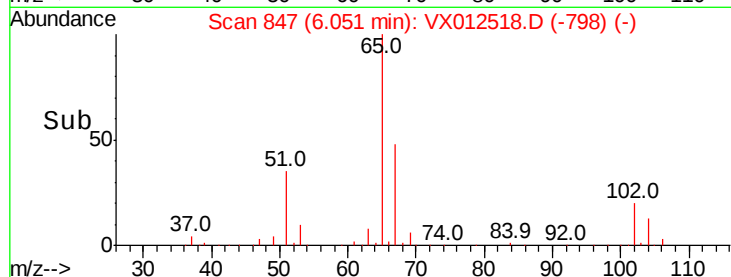
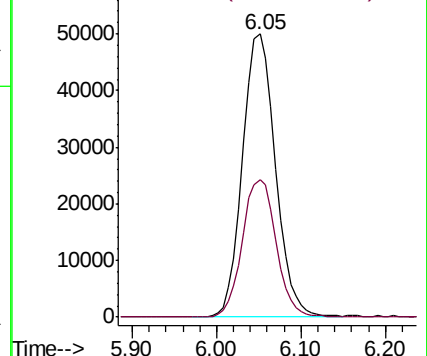
65 100

67 49.9 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012518.D

Acq: 19 Sep 2019 11:08

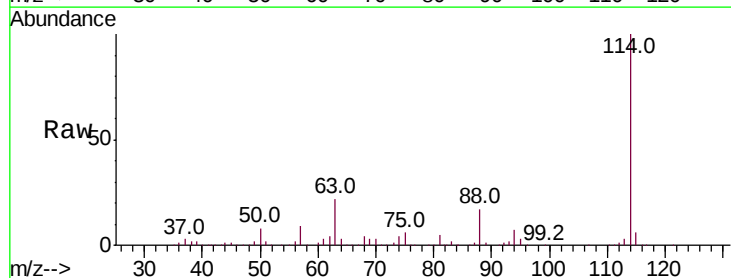
Tgt Ion: 114 Resp: 316231

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.2

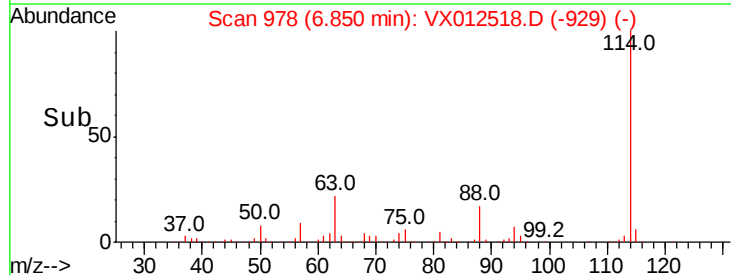
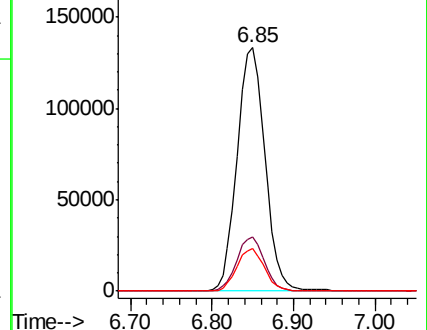
88 17.5 0.0 33.2

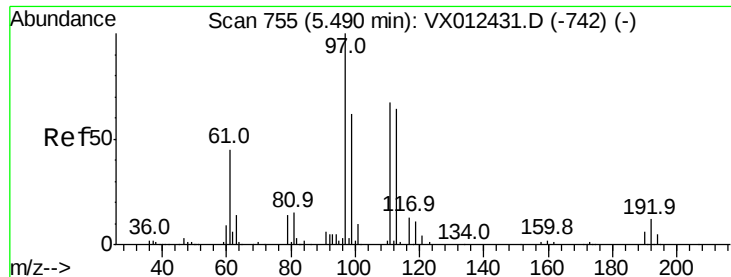


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.479 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012518.D

Acq: 19 Sep 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

VX0919MBL01

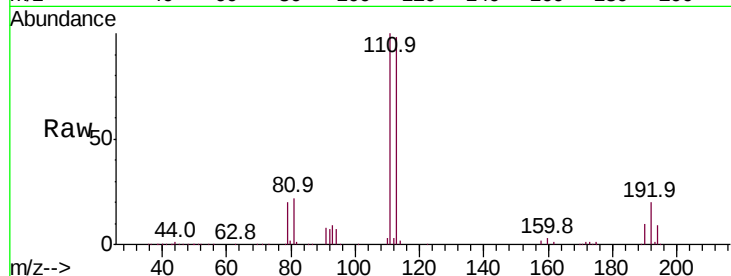
Tot Ion:113 Resp: 94703

Ion Ratio Lower Upper

113 100

111 103.5 83.4 125.2

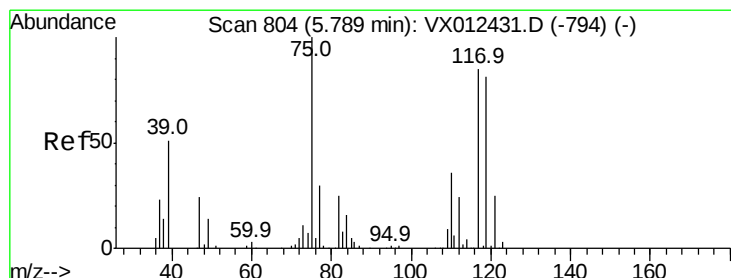
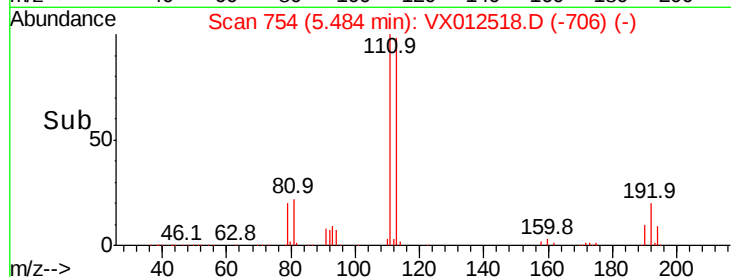
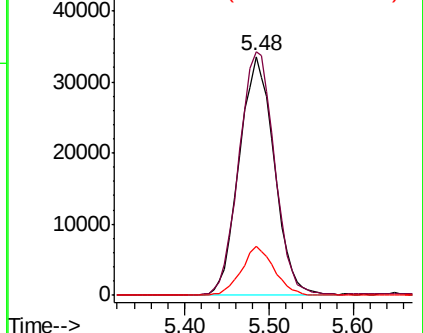
192 19.3 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 8.776 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012518.D

Acq: 19 Sep 2019 11:08

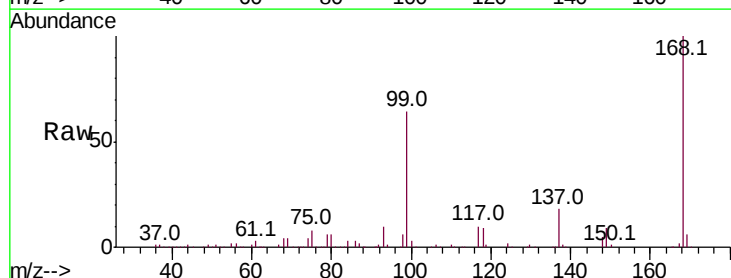
Tgt Ion: 75 Resp: 16866

Ion Ratio Lower Upper

75 100

110 9.9 16.7 50.0#

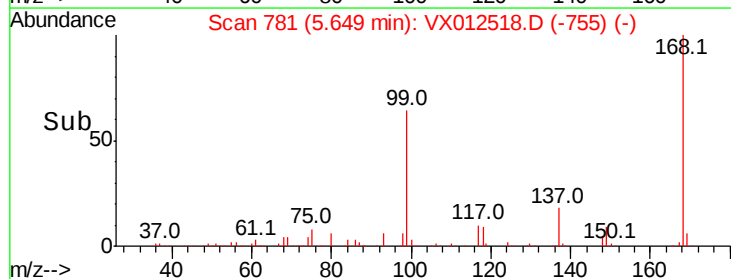
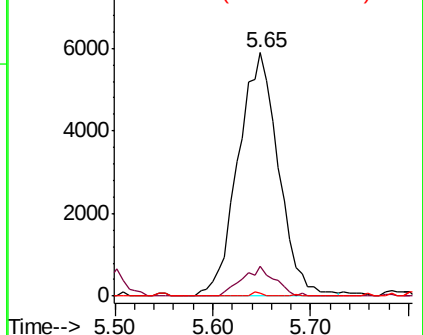
77 0.3 24.2 36.2#

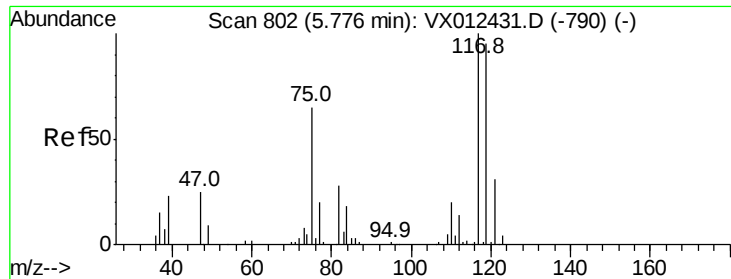


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 9.059 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012518.D

Acq: 19 Sep 2019 11:08

Instrument :

MSVOA_X

ClientSampled :

VX0919MBL01

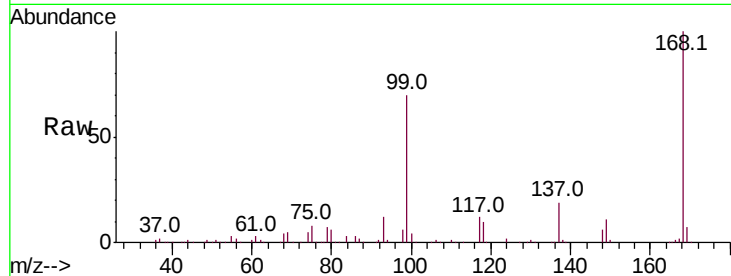
Tot Ion:117 Resp: 21654

Ion Ratio Lower Upper

117 100

119 3.4 75.7 113.5#

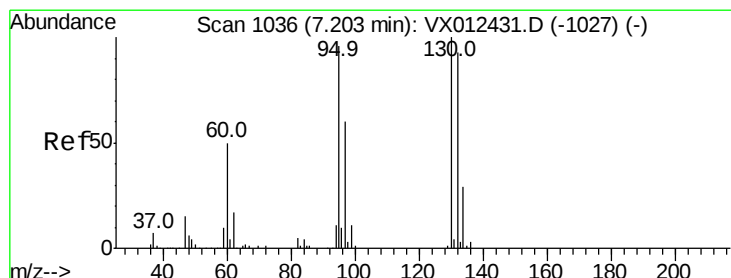
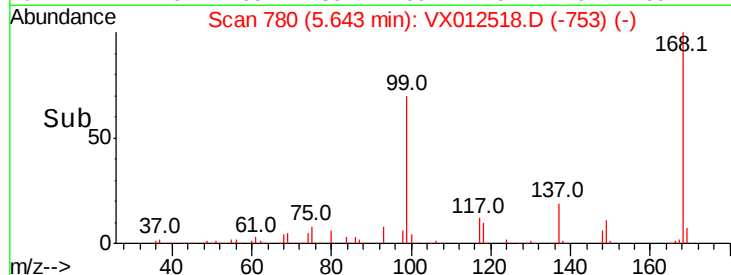
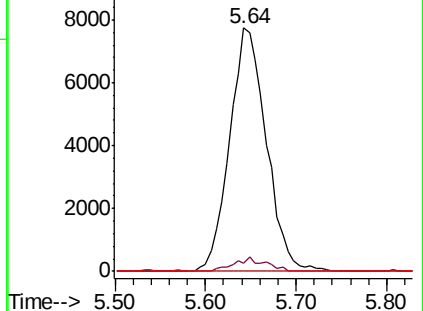
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.289 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX012518.D

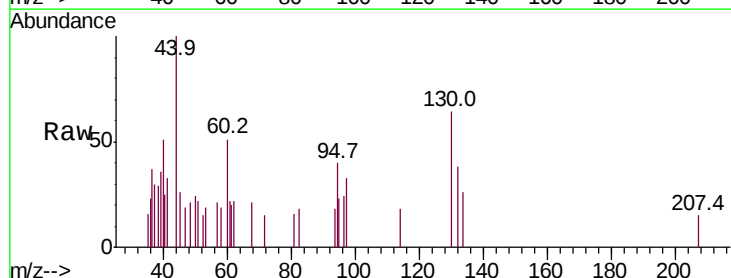
Acq: 19 Sep 2019 11:08

Tgt Ion:130 Resp: 464

Ion Ratio Lower Upper

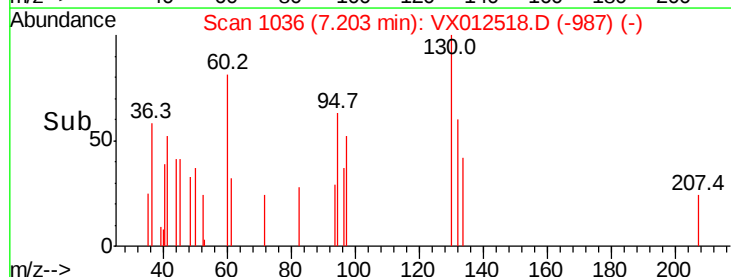
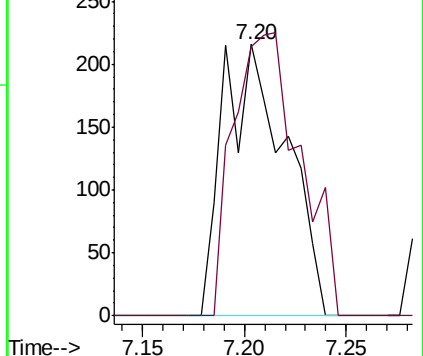
130 100

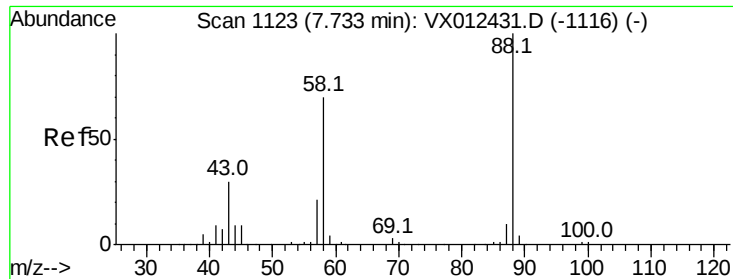
95 99.1 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 0.724 ug/l

RT: 7.58 min Scan# 1098

Delta R.T. -0.15 min

Lab File: VX012518.D

Acq: 19 Sep 2019 11:08

Instrument :

MSVOA_X

ClientSampled :

VX0919MBL01

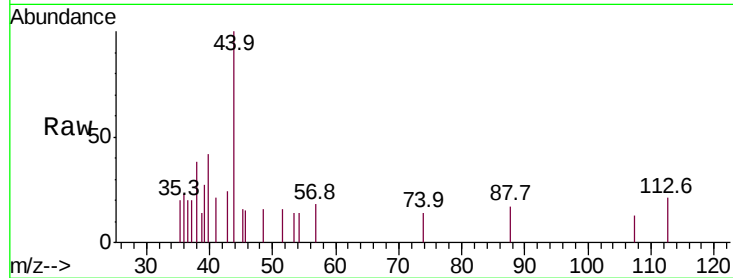
Tot Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 290.9 29.4 44.0#

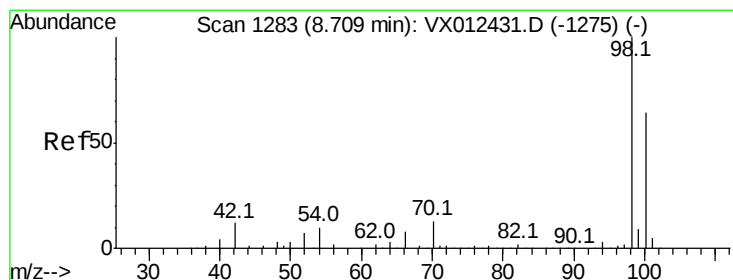
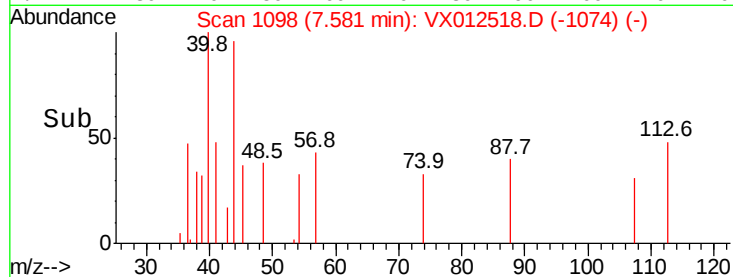
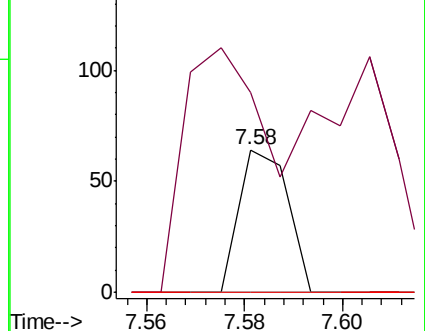
58 0.0 57.5 86.3#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.132 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012518.D

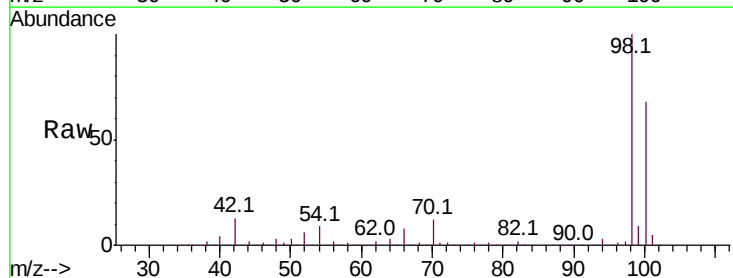
Acq: 19 Sep 2019 11:08

Tgt Ion: 98 Resp: 362251

Ion Ratio Lower Upper

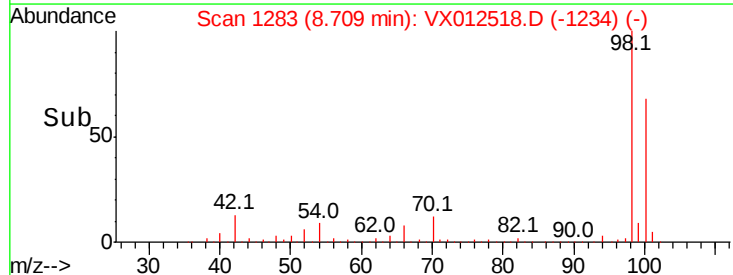
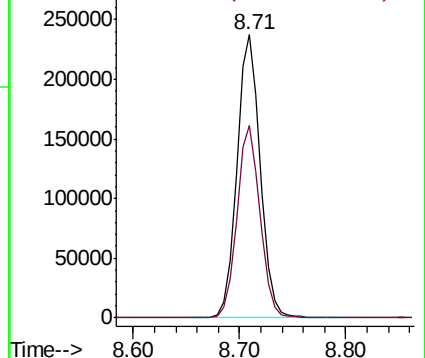
98 100

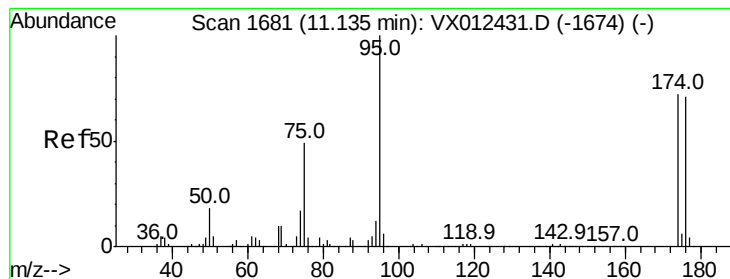
100 67.5 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.572 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012518.D

Acq: 19 Sep 2019 11:08

Instrument :

MSVOA_X

ClientSampled :

VX0919MBL01

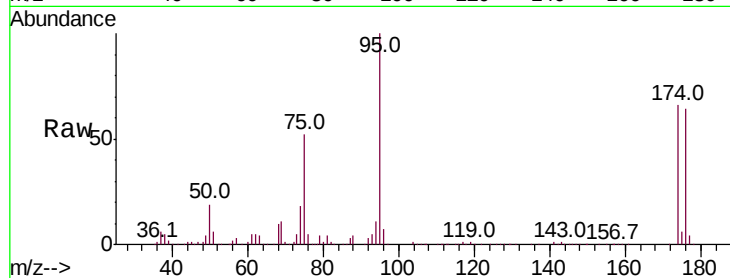
Tot Ion: 95 Resp: 131112

Ion Ratio Lower Upper

95 100

174 71.2 0.0 140.0

176 69.0 0.0 135.4

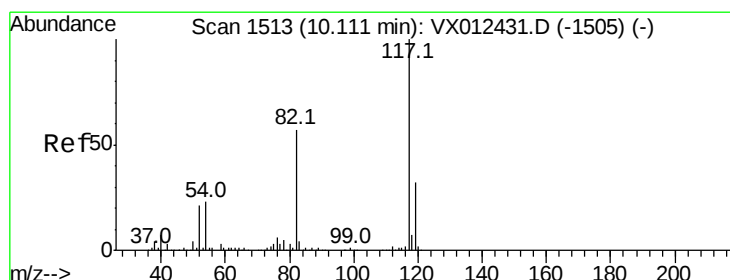
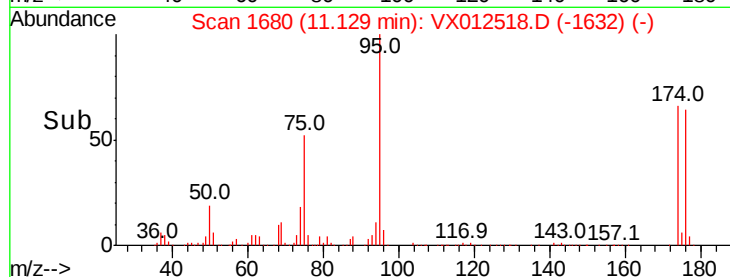


Abundance Ion 94.90 (94.60 to 95.60): VX012431.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012431.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012431.D (-1674) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX012518.D

Acq: 19 Sep 2019 11:08

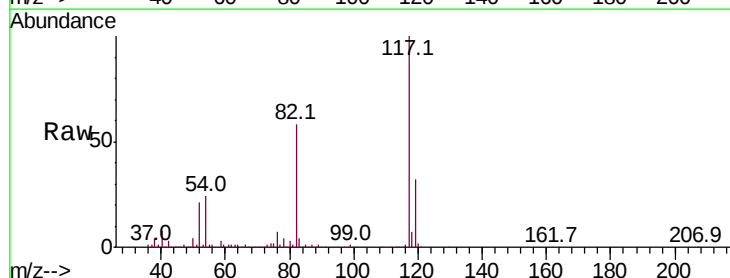
Tgt Ion: 117 Resp: 268813

Ion Ratio Lower Upper

117 100

82 58.1 45.9 68.9

119 32.4 25.3 37.9

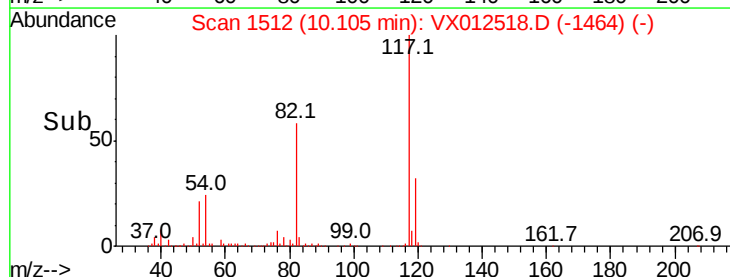


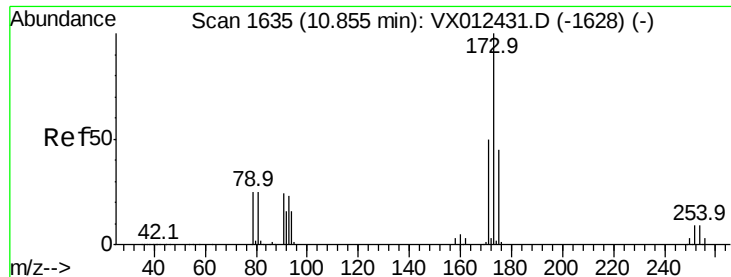
Abundance Ion 116.90 (116.60 to 117.60): VX012431.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012431.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012431.D (-1505) (-)

Time-->

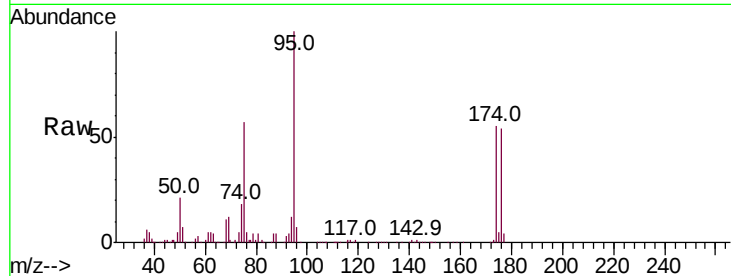




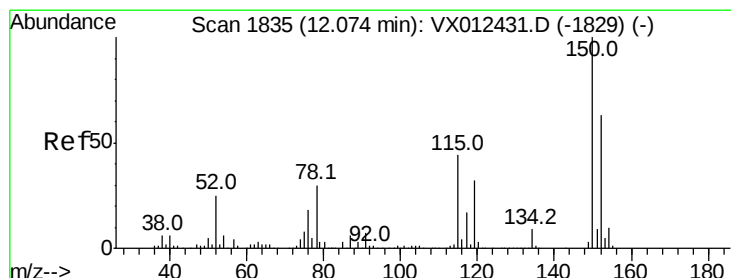
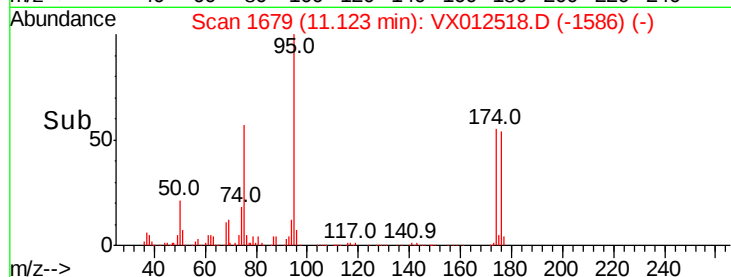
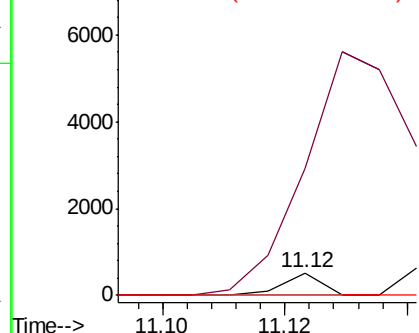
#71
Bromoform
Concen: 3.008 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.27 min
Lab File: VX012518.D
Acq: 19 Sep 2019 11:08

Instrument :
MSVOA_X
ClientSampleId :
VX0919MBL01

Tot Ion:173 Resp: 232
Ion Ratio Lower Upper
173 100
175 0.0 23.7 71.1#
254 0.0 0.1 0.1#

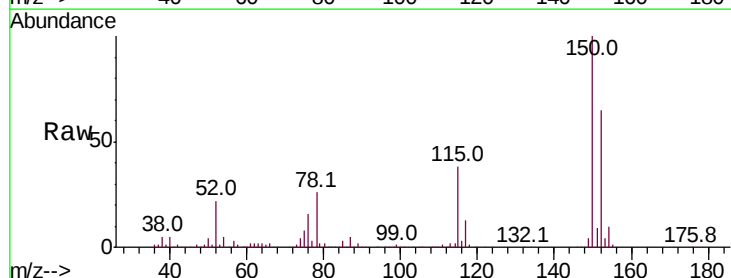


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

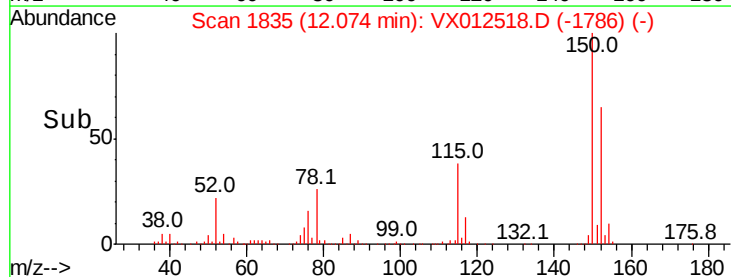
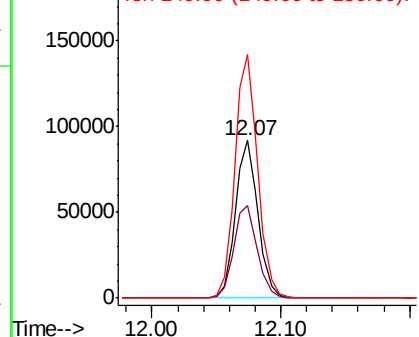


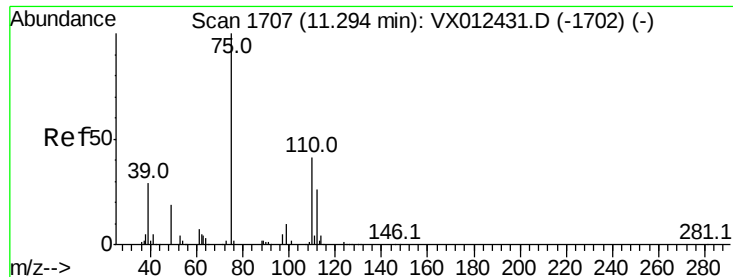
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012518.D
Acq: 19 Sep 2019 11:08

Tgt Ion:152 Resp: 112083
Ion Ratio Lower Upper
152 100
115 61.6 44.1 132.3
150 156.5 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.725 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012518.D

Acq: 19 Sep 2019 11:08

Instrument :

MSVOA_X

ClientSampleId :

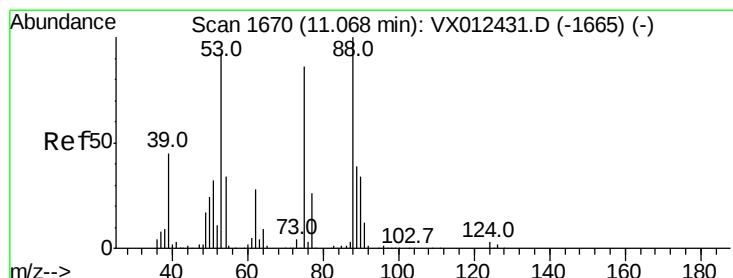
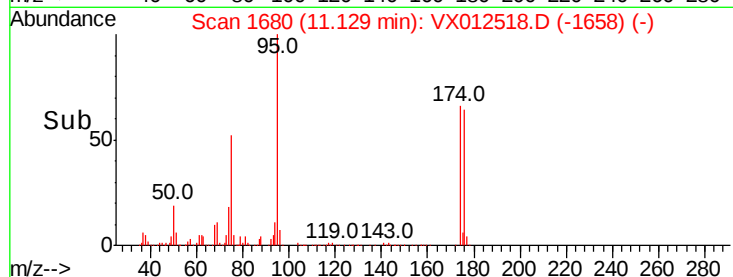
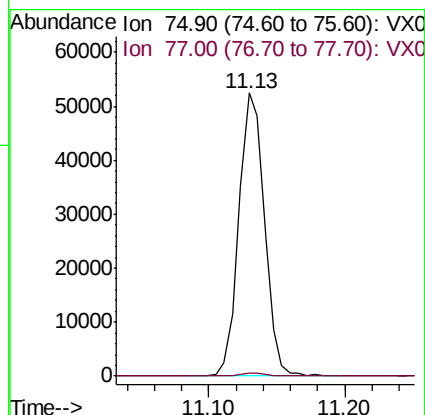
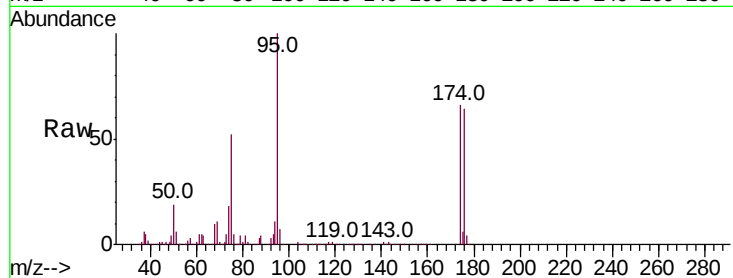
VX0919MBL01

Tot Ion: 75 Resp: 68806

Ion Ratio Lower Upper

75 100

77 1.3 19.7 59.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.922 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012518.D

Acq: 19 Sep 2019 11:08

Tgt Ion: 75 Resp: 68806

Ion Ratio Lower Upper

75 100

53 0.1 83.6 125.4#

89 0.0 36.3 54.5#

